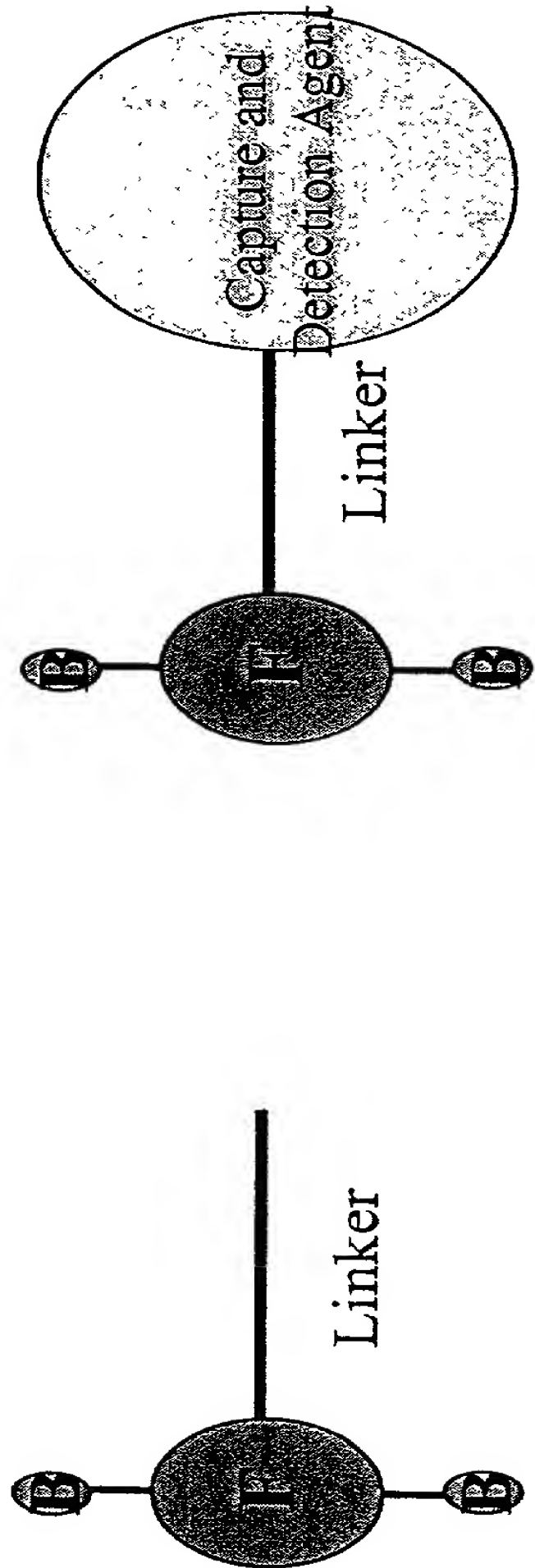
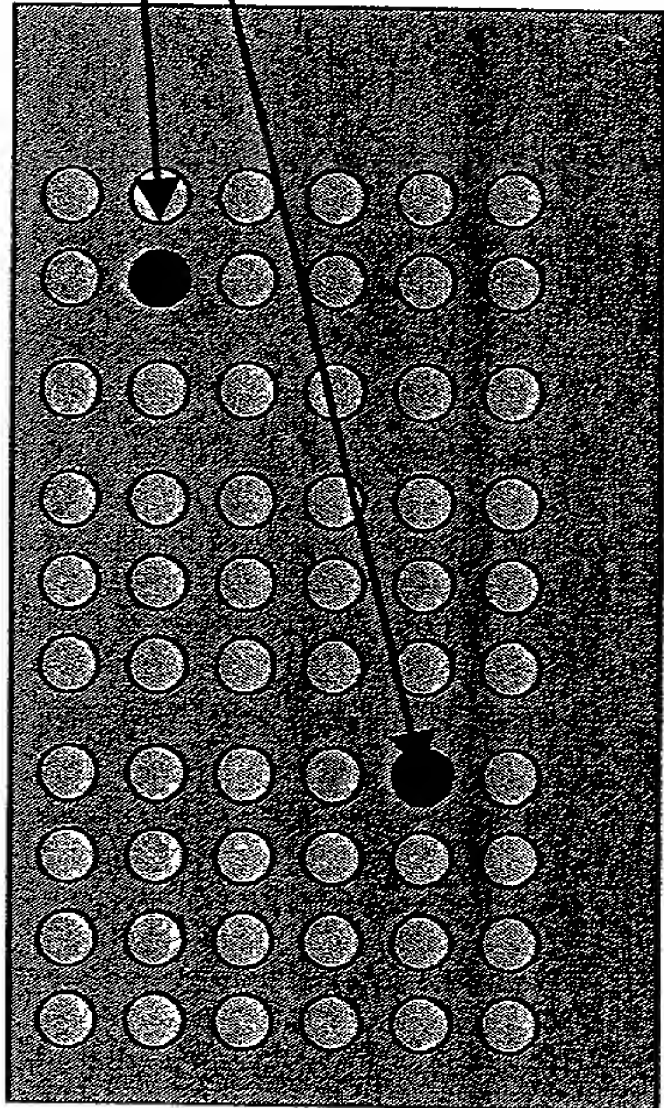


High-throughput Target ID



Library of Bioactive
Compounds

Library of Target ID
Compounds



Use corresponding
activity-based probe to
identify the biological target

FIGURE 1

#16

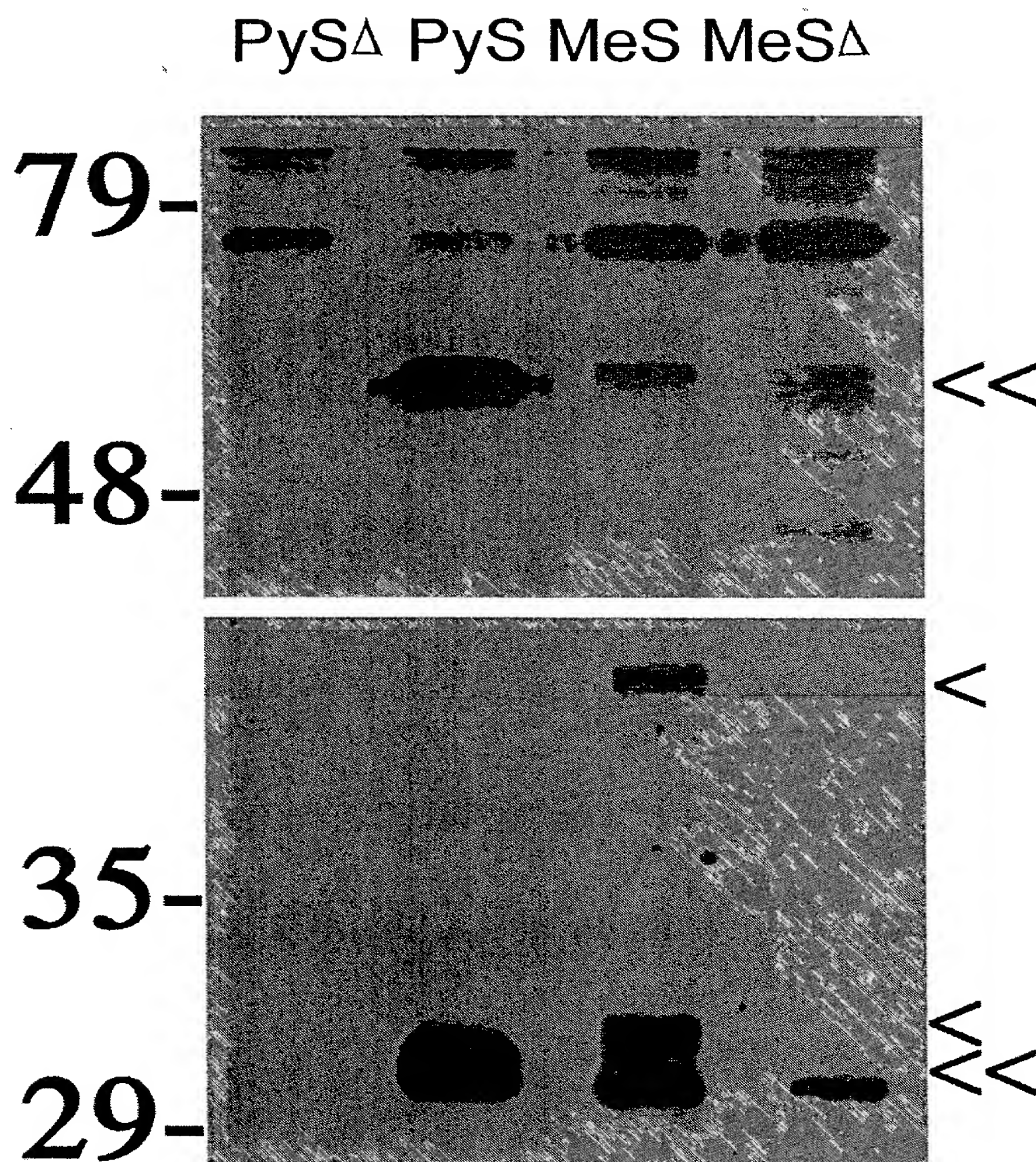


FIGURE 2

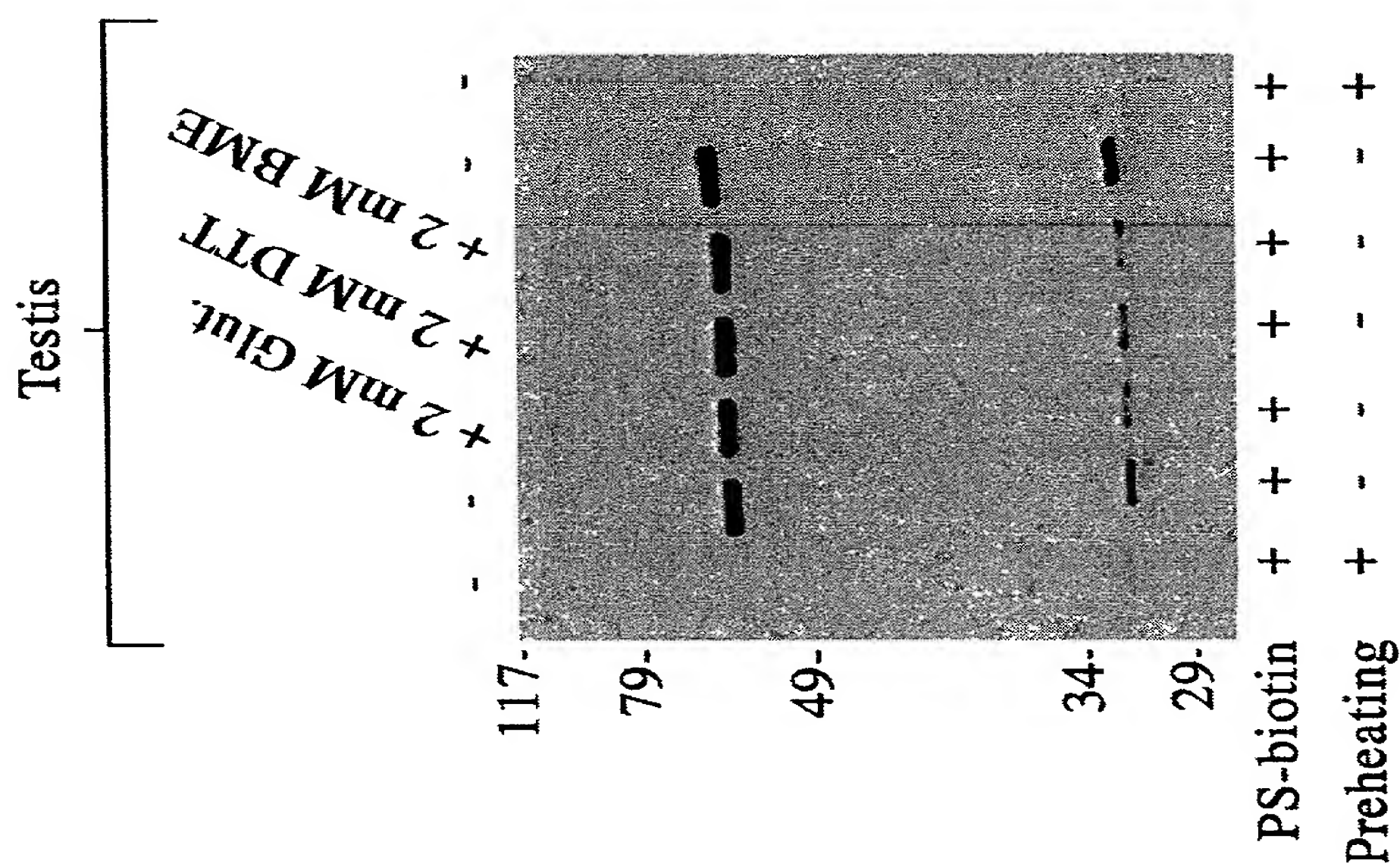
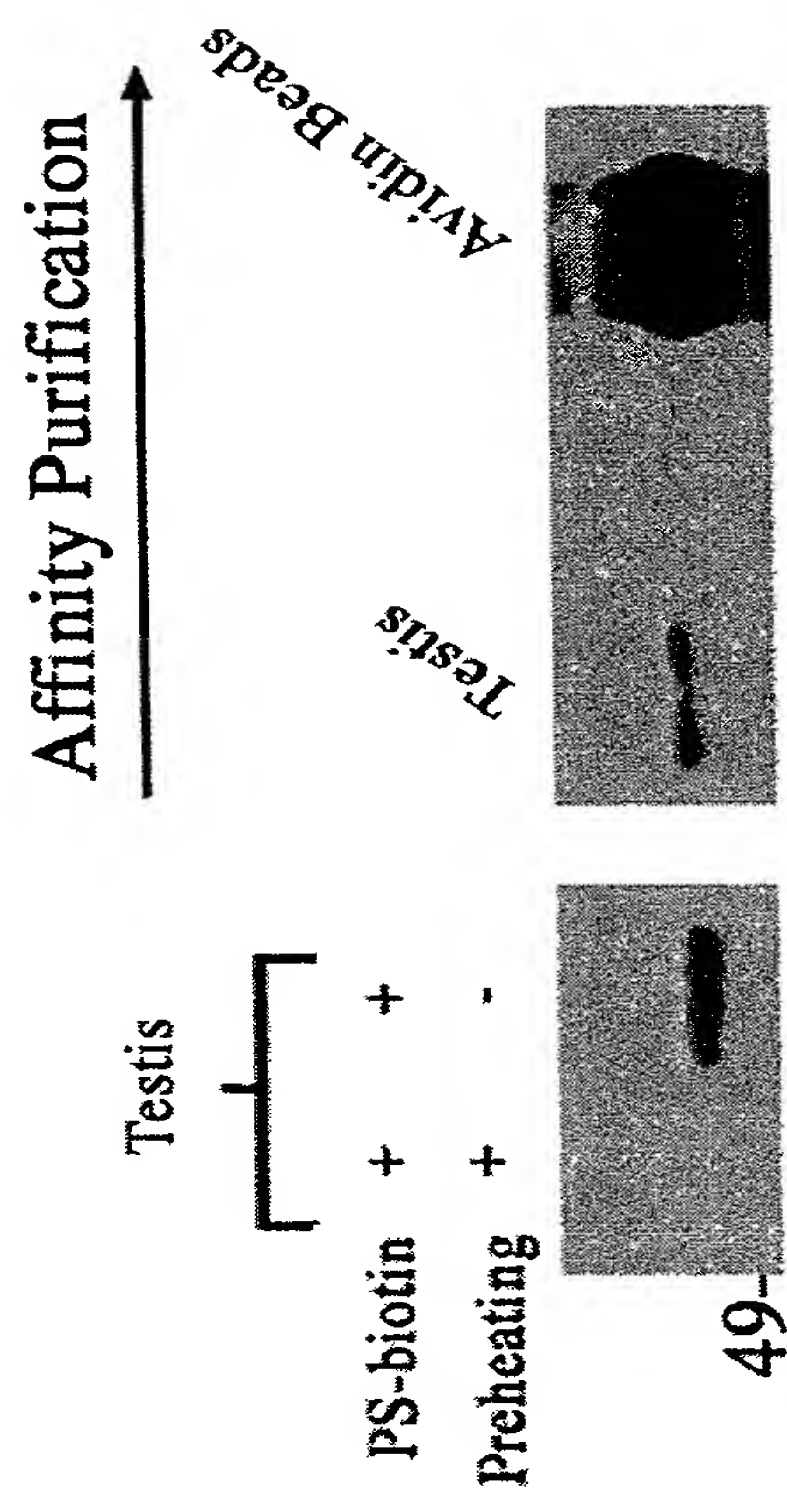


FIGURE 3

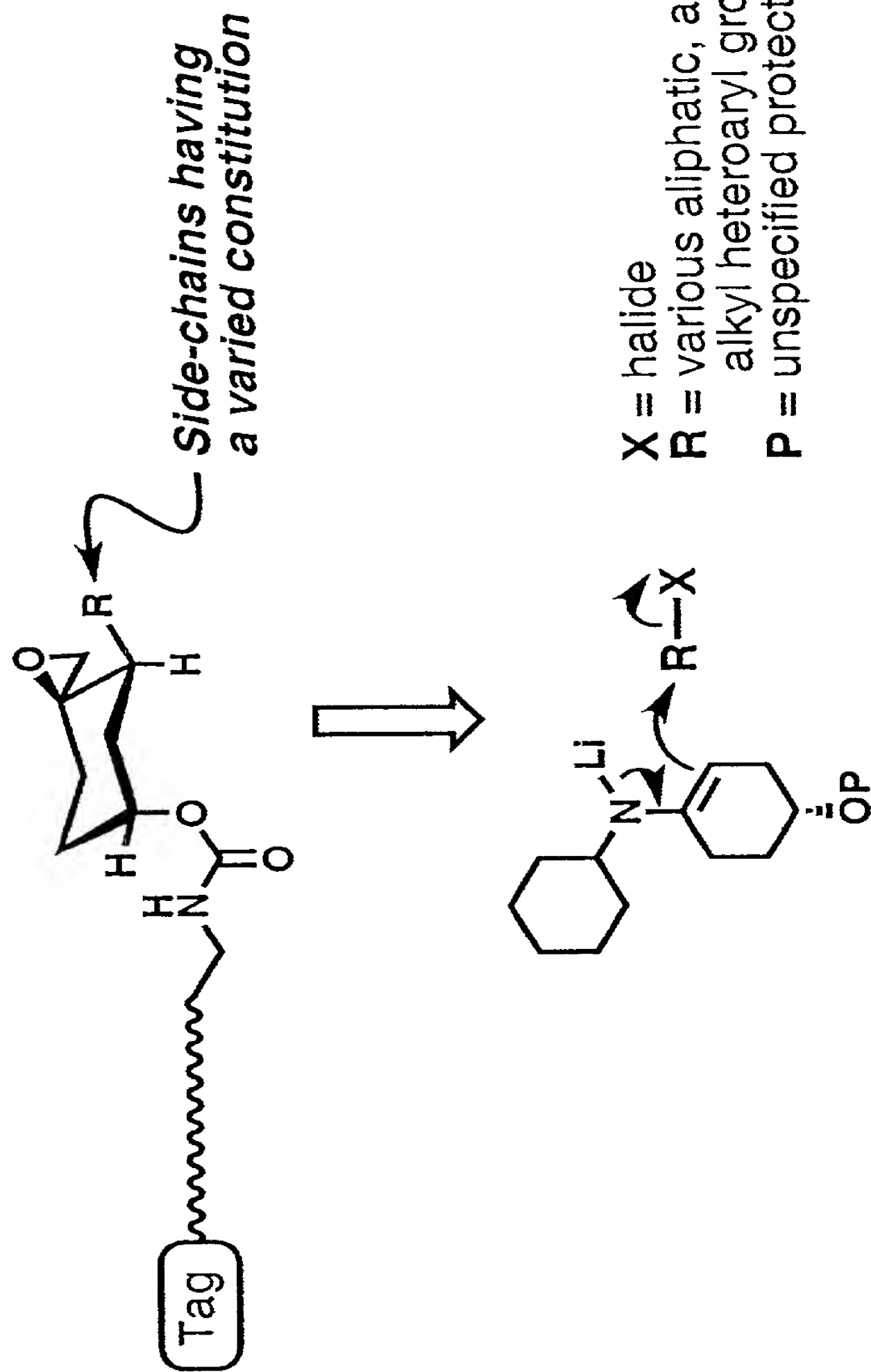
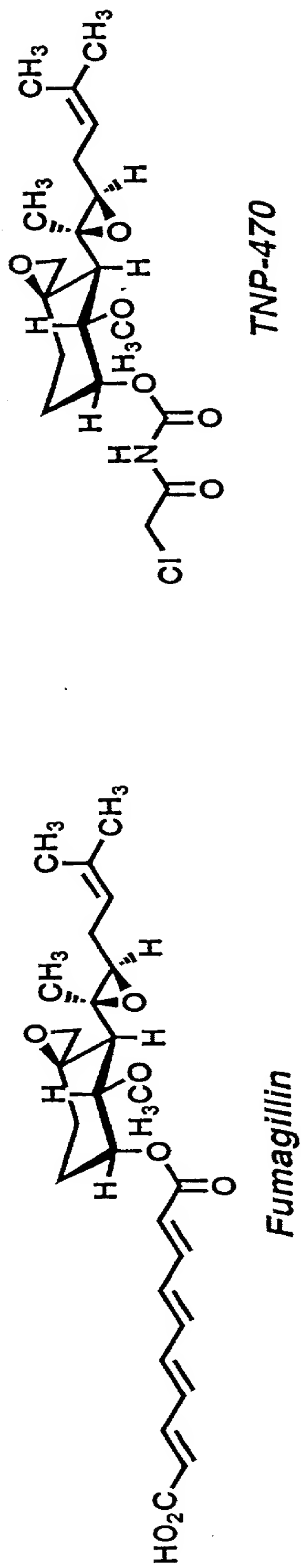


FIGURE 4A

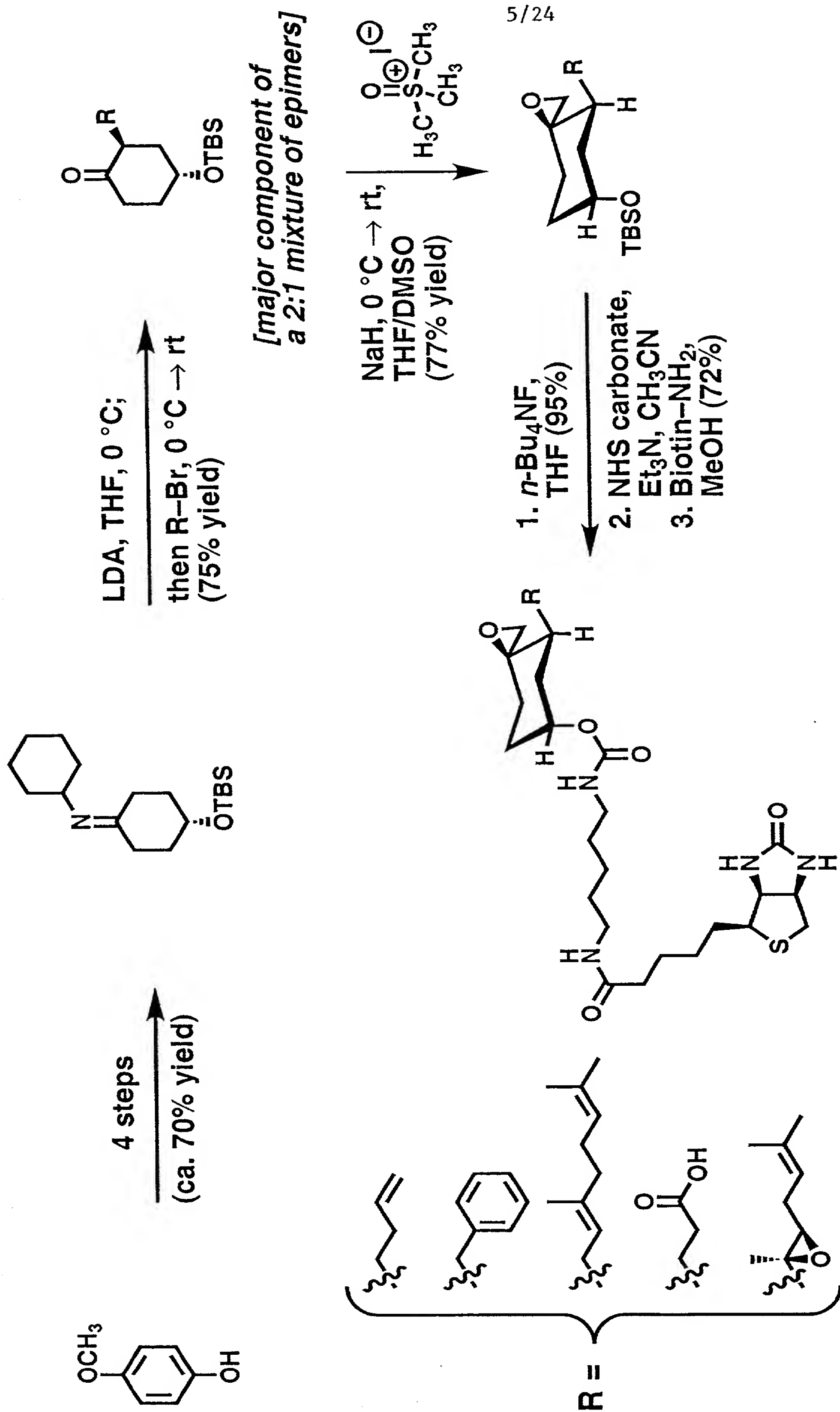


FIGURE 4B

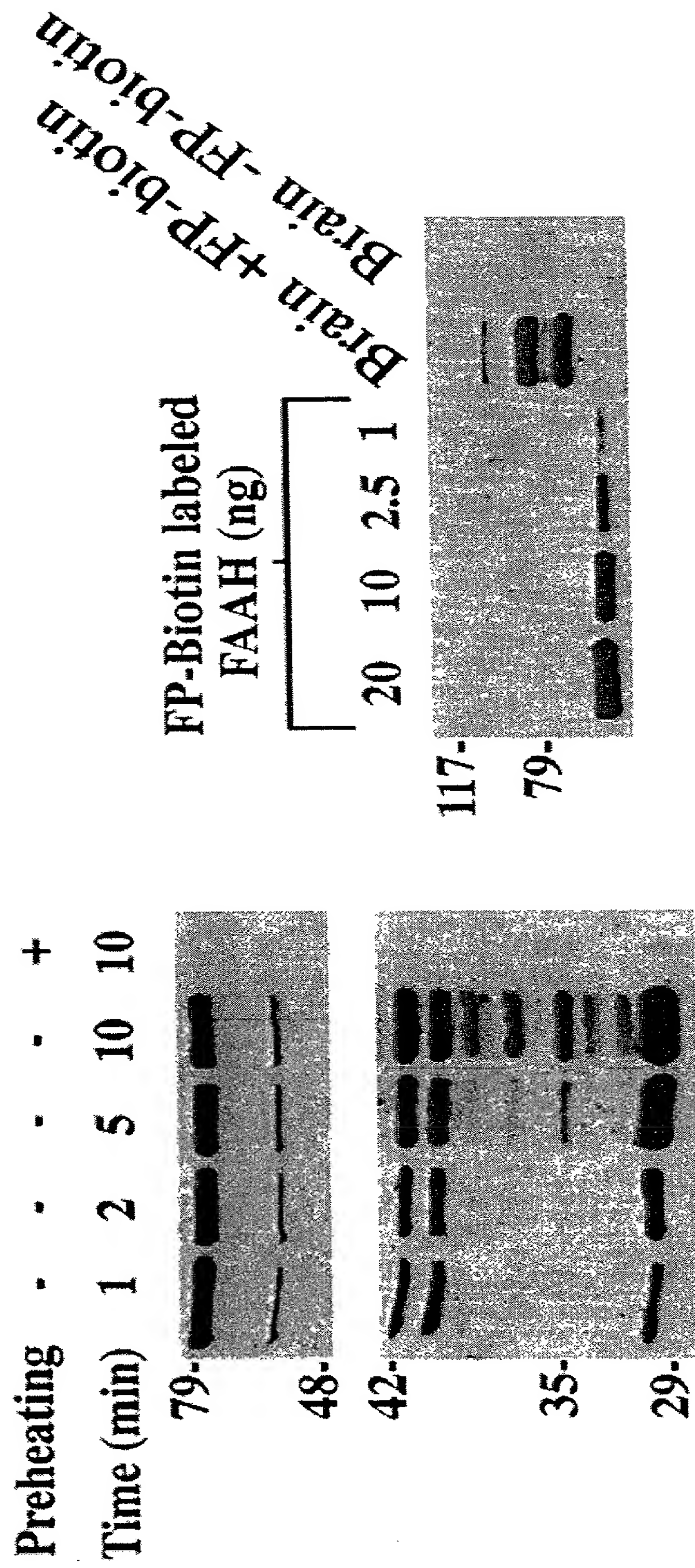
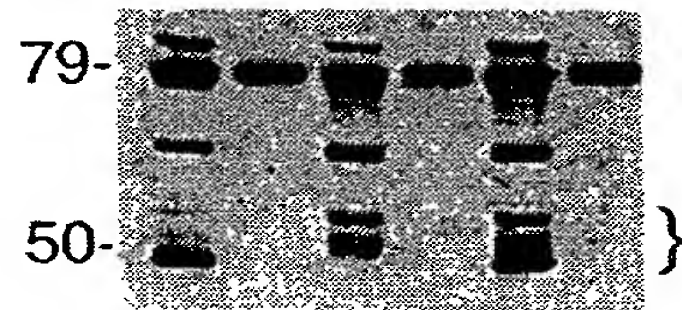


FIGURE 5

FP-peg-biotin (μ M)	4	4	0	0	2	2
FP-biotin (μ M)	0	0	4	4	2	2
Preheated	-	+	-	+	-	+



FP-peg-biotin	-	-	+	+
FP-biotin	+	+	-	-
Preheated	+	-	-	+

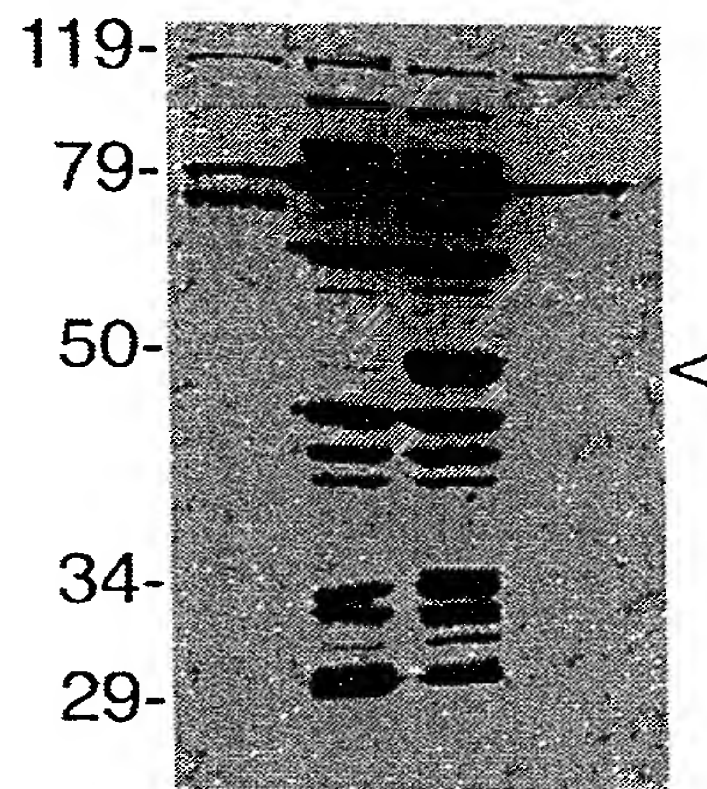


FIGURE 6

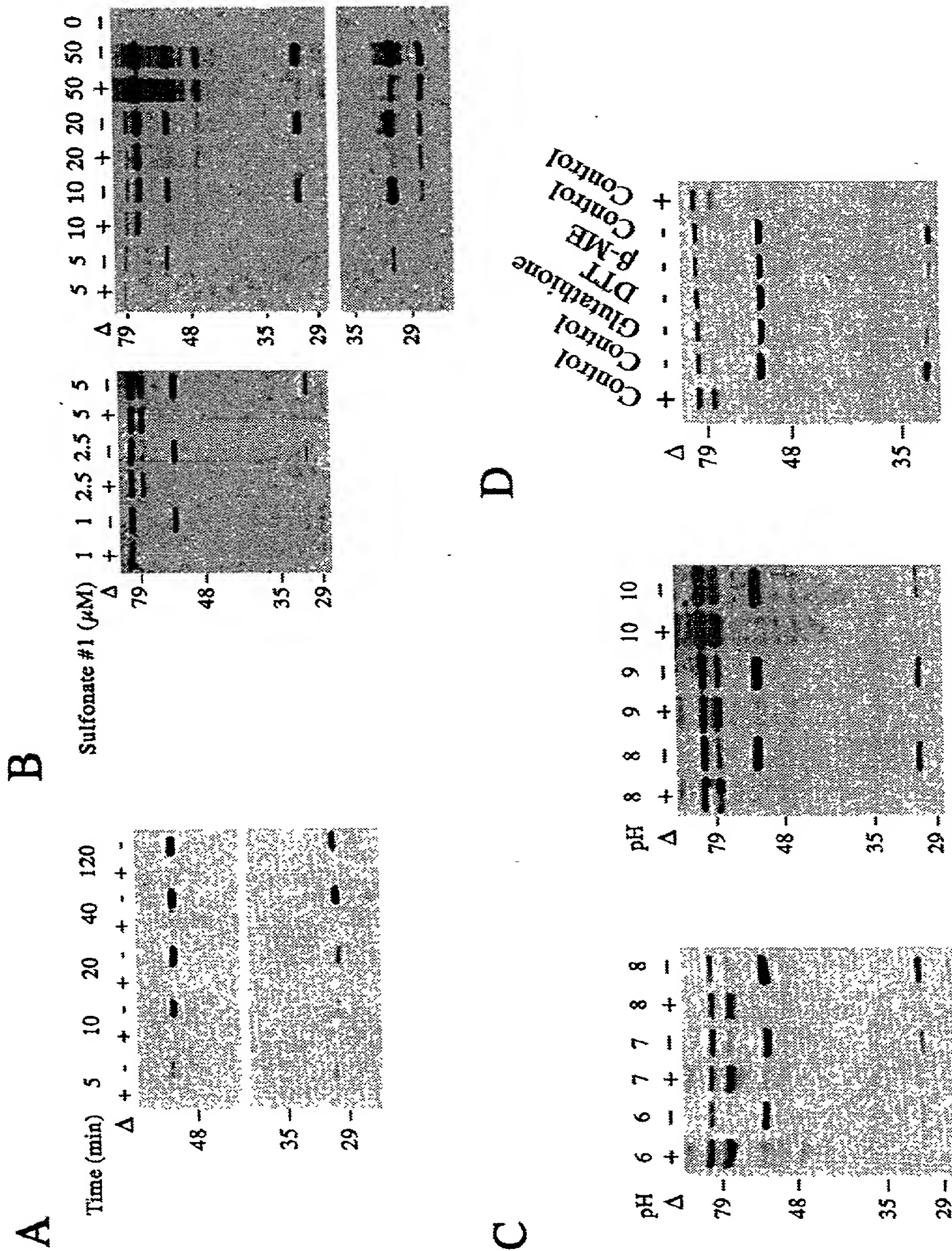


FIGURE 7

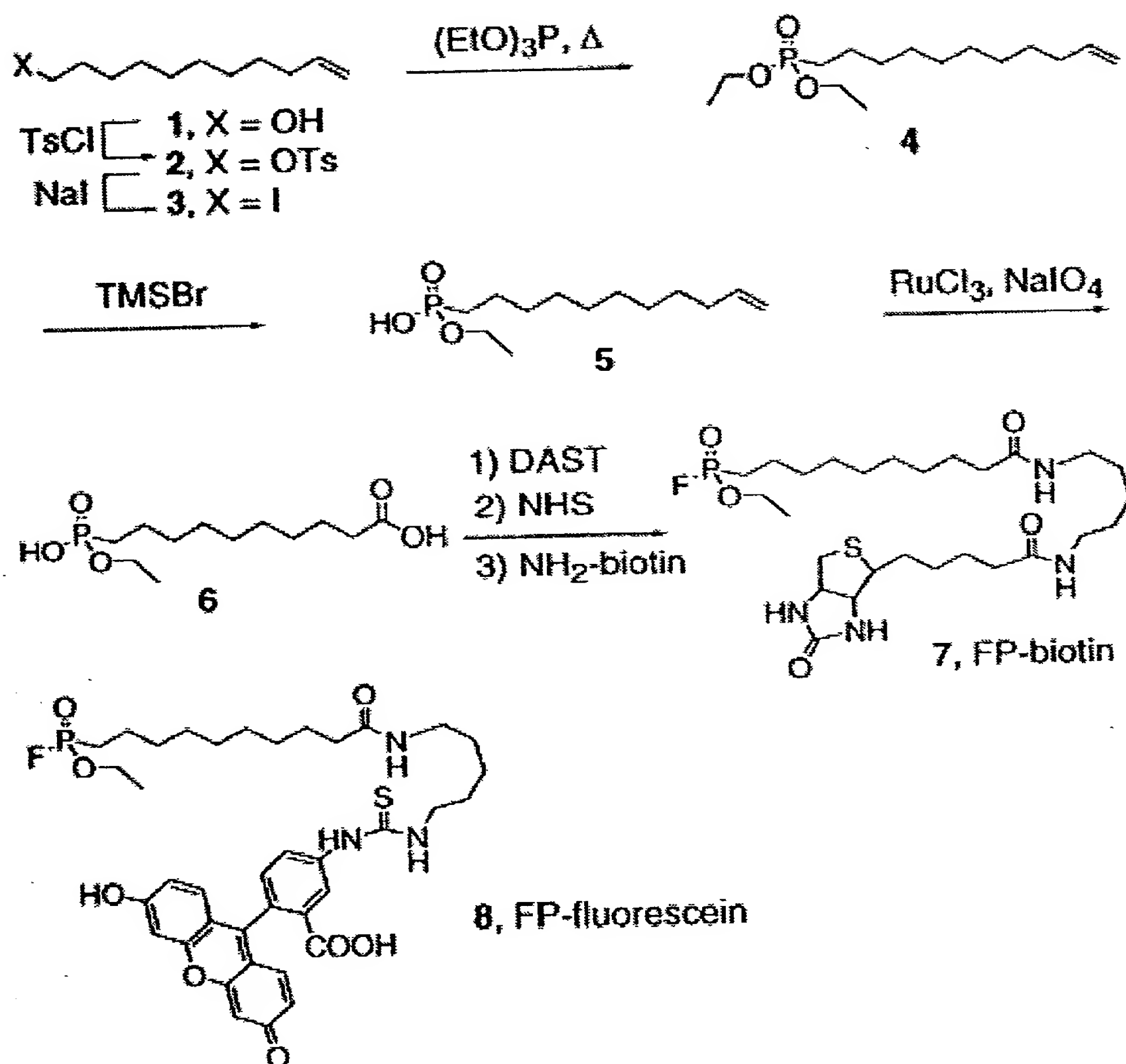
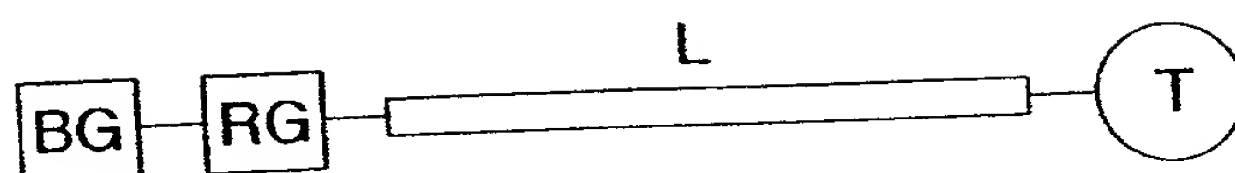


FIGURE 8

A.**B.**

R =

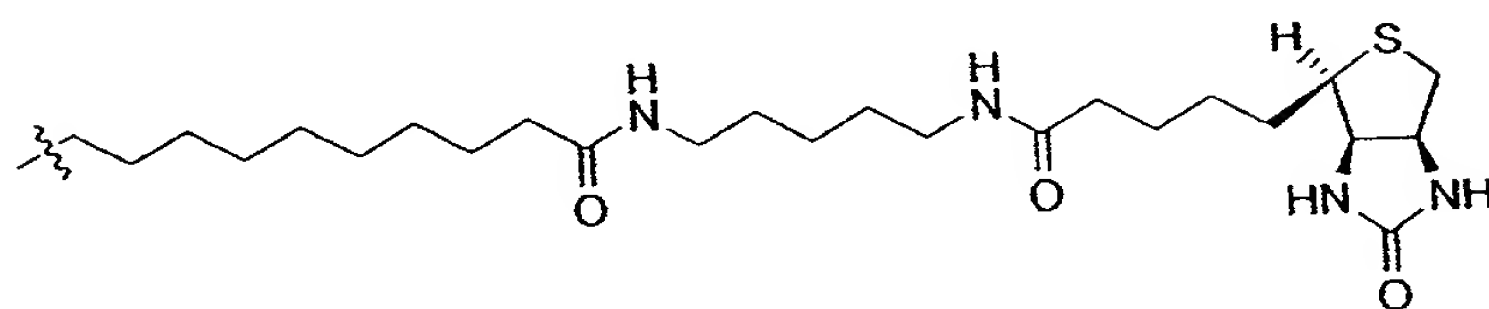
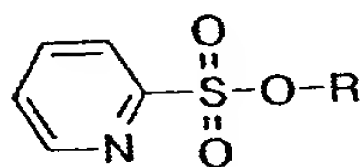
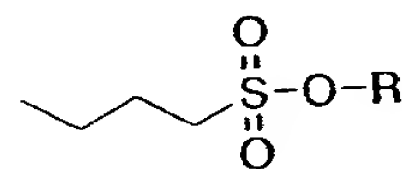
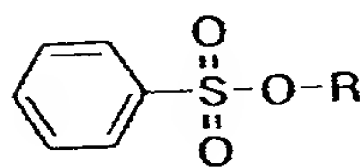
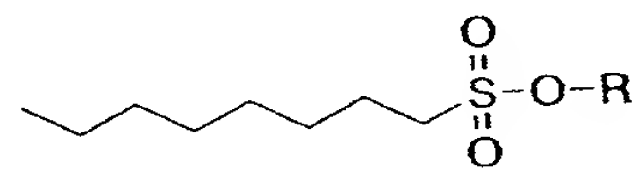
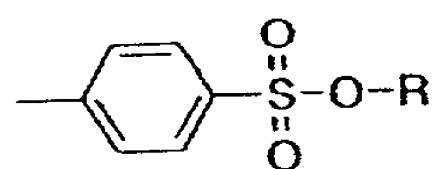
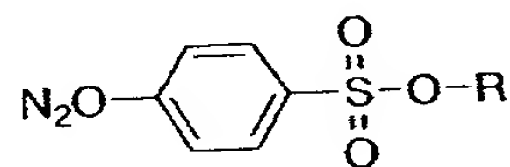
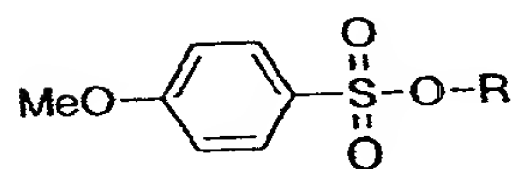
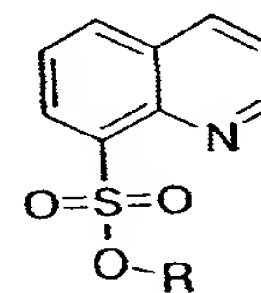
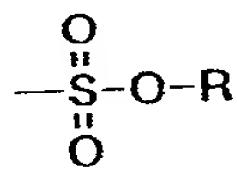
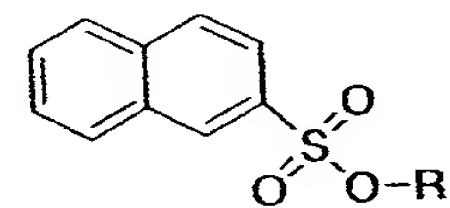
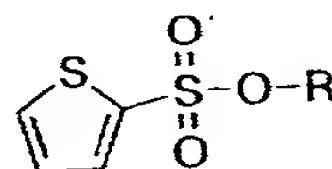
**1****6****2****7****3****8****4****9****5****10****11**

FIGURE 10

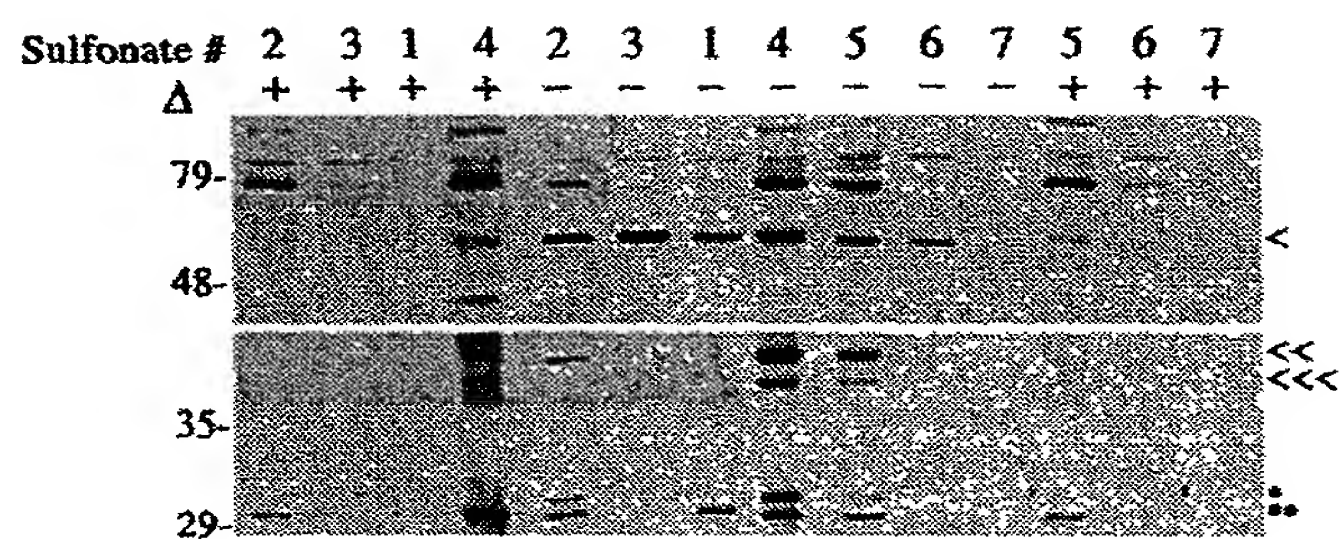
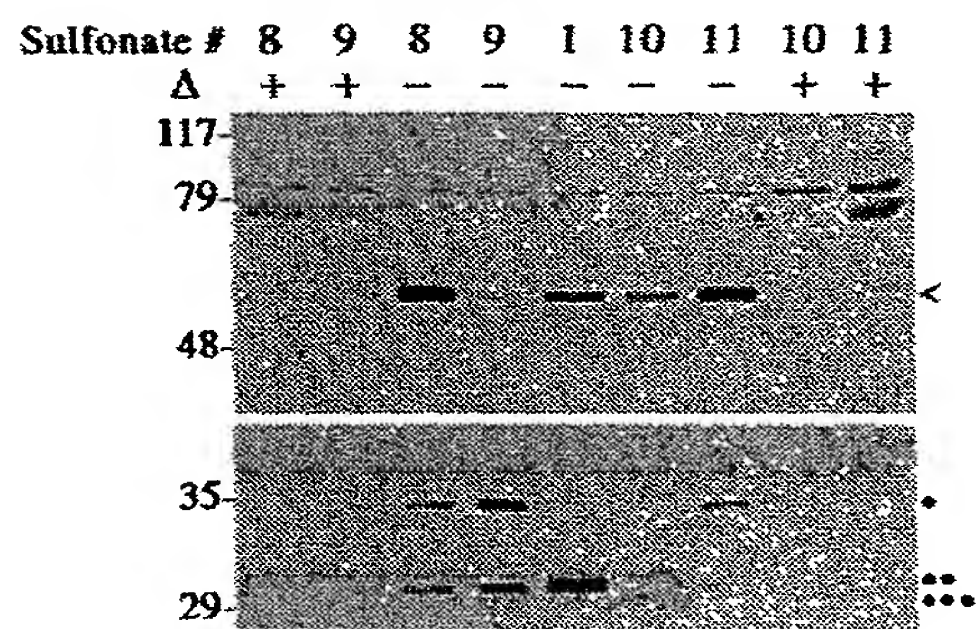
A**B**

FIGURE 11

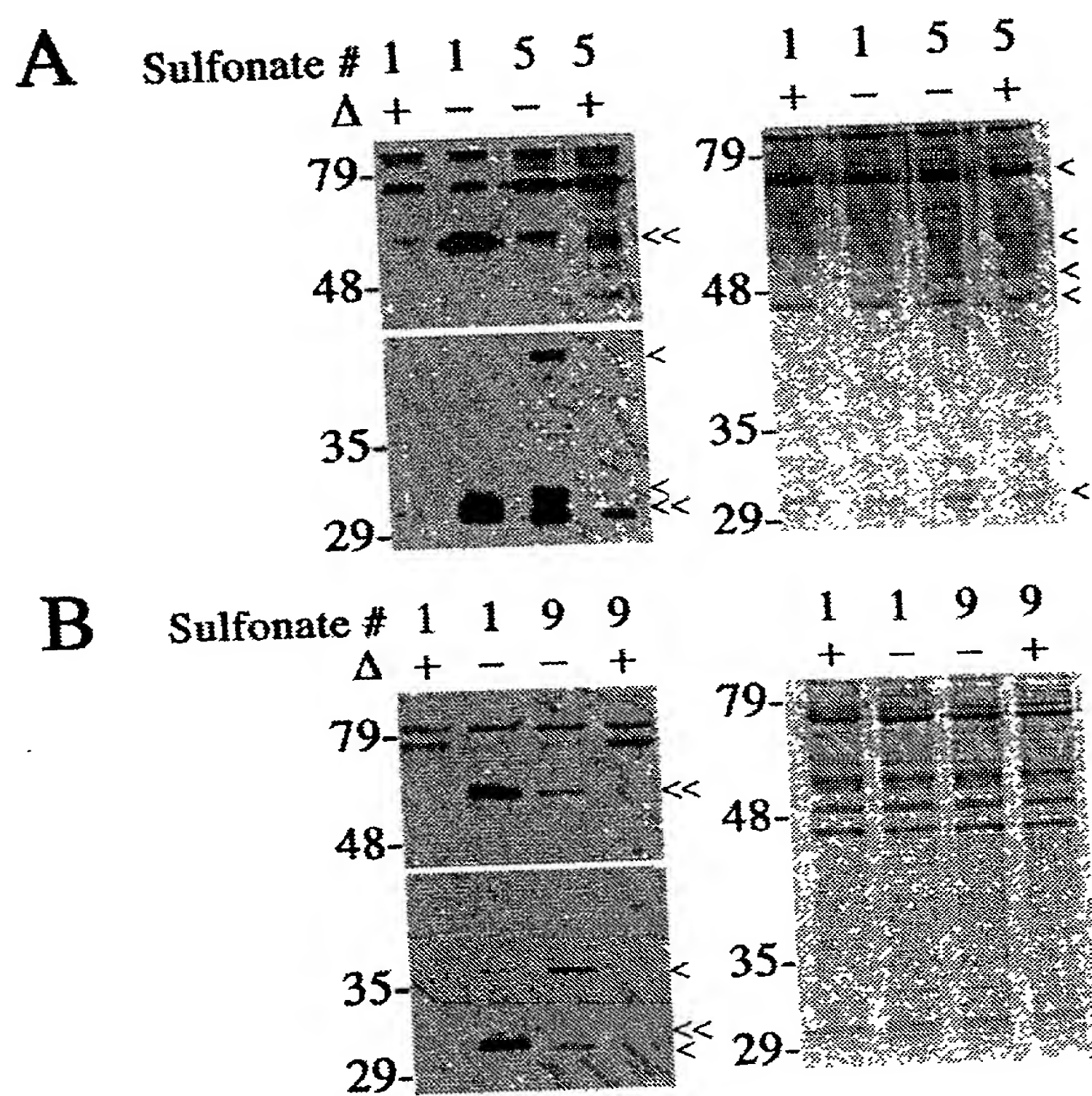
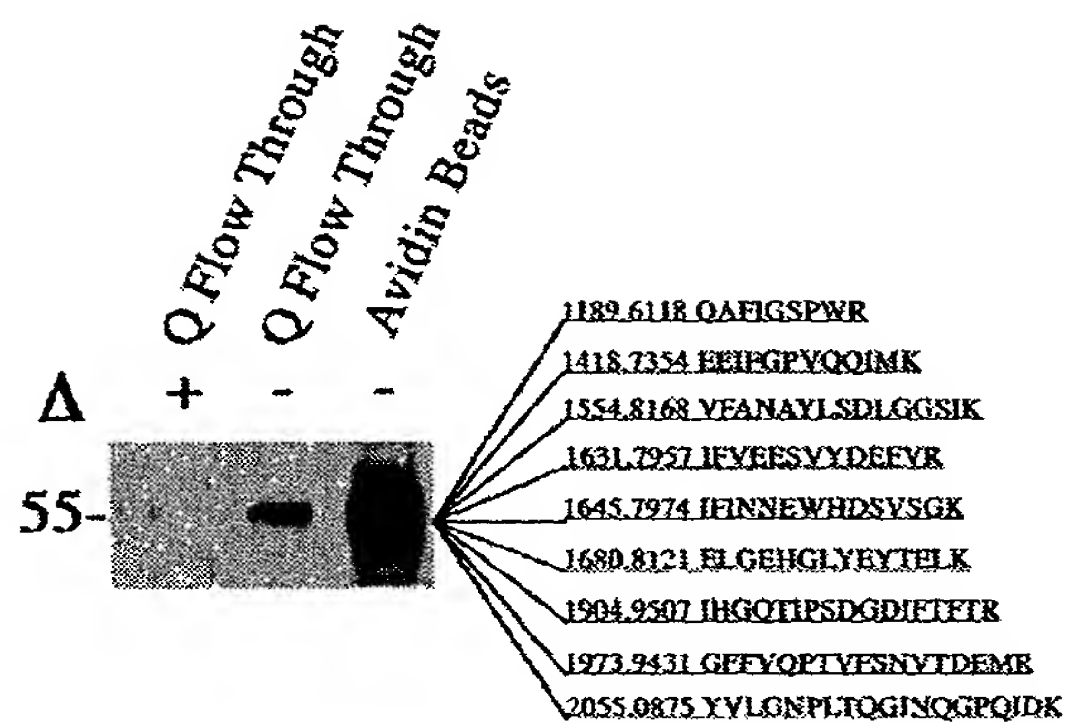
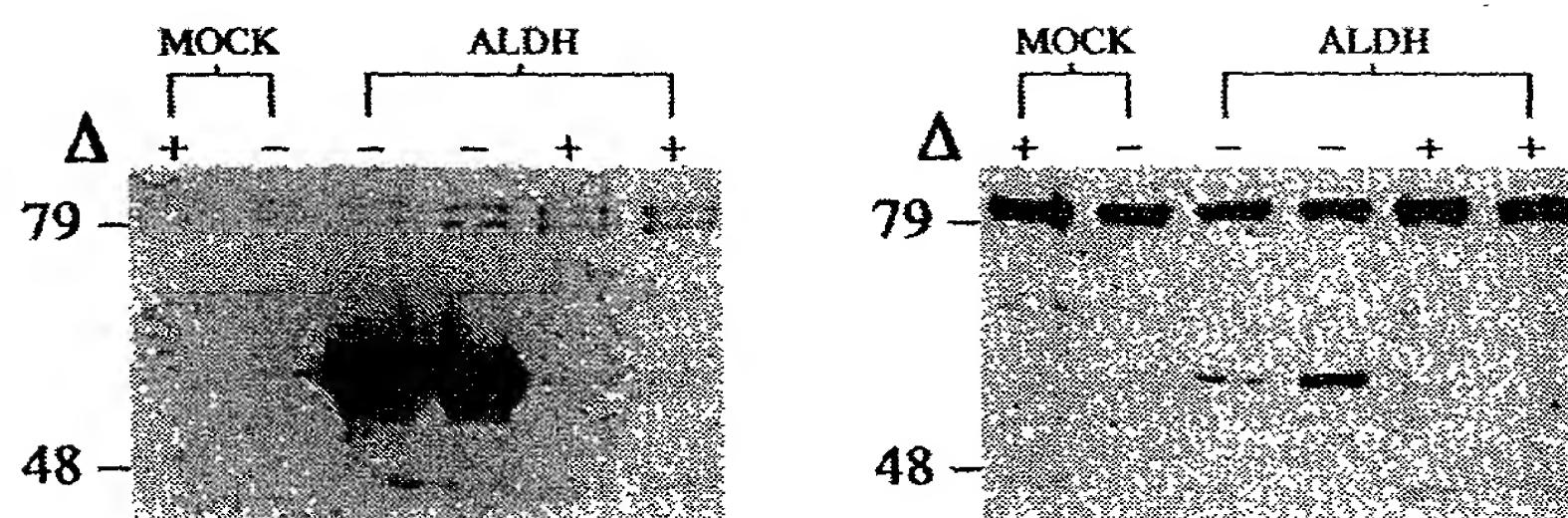


FIGURE 12

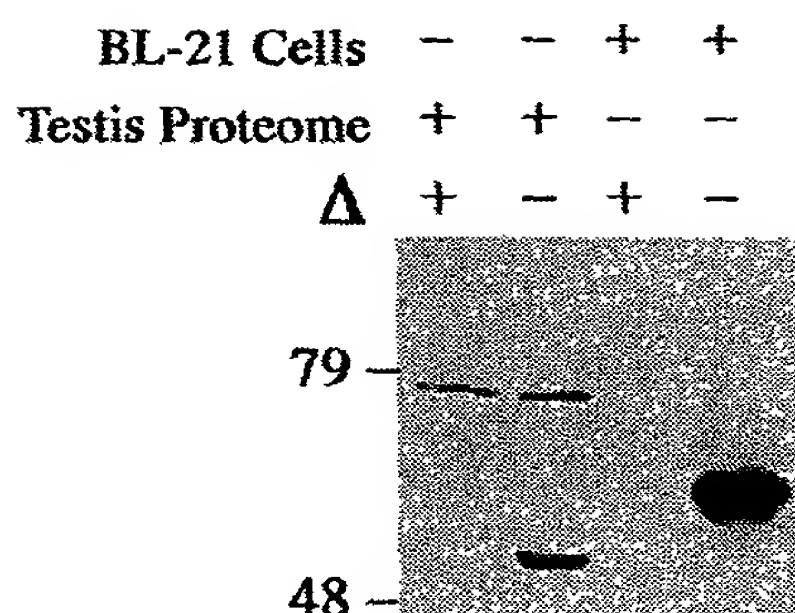
A



B



C



D

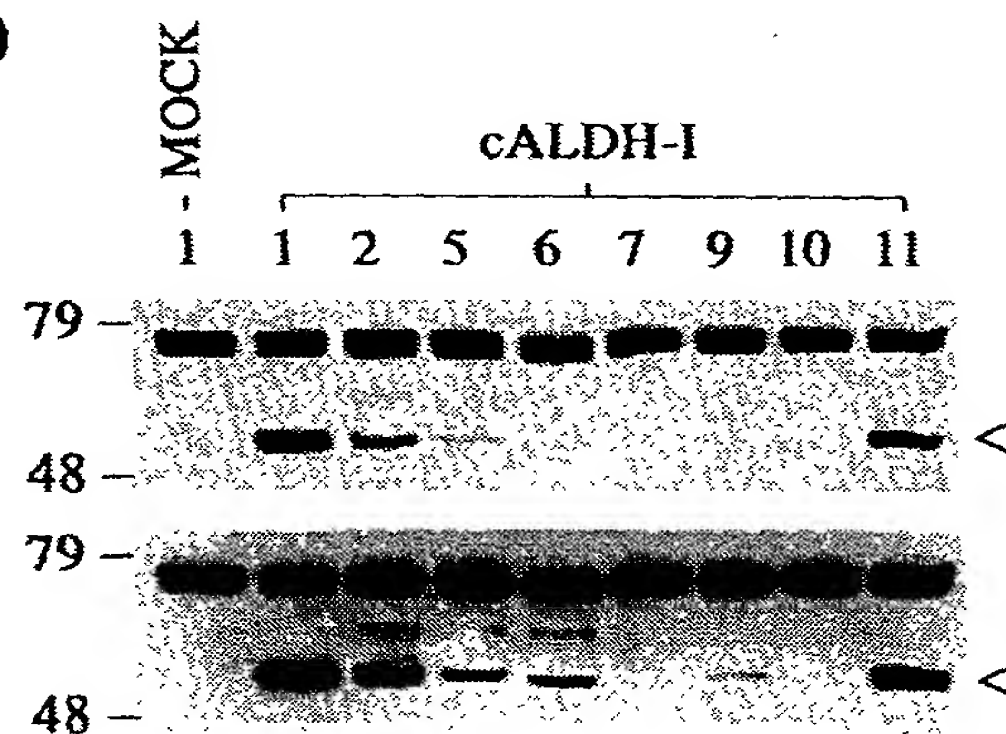
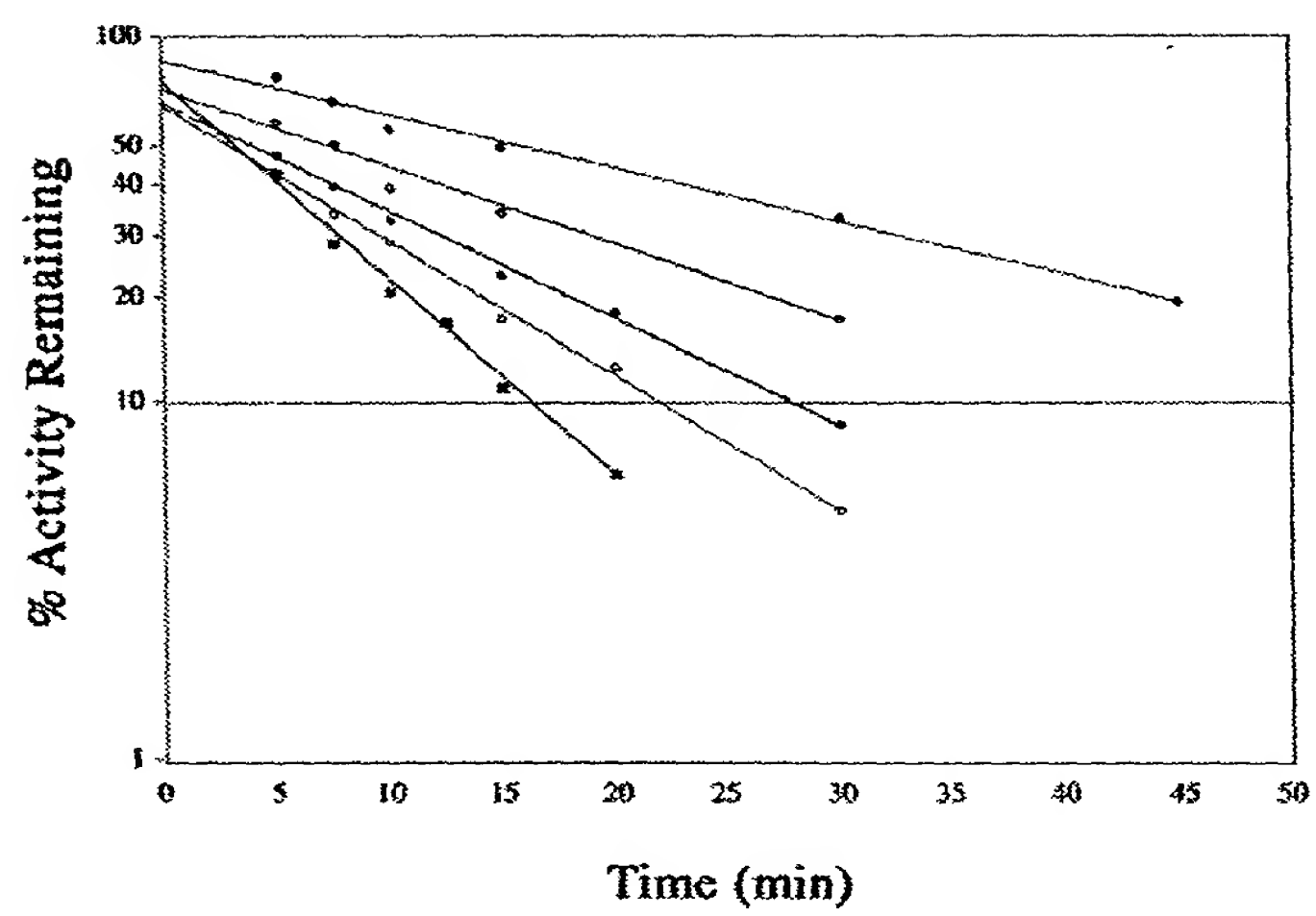


FIGURE 13

A



B

Competitor #	-	-	15	17	16	15	17	16
[Competitor (μ M)]	0	0	5	5	5	50	50	50
Δ	+	-	-	-	-	-	-	-

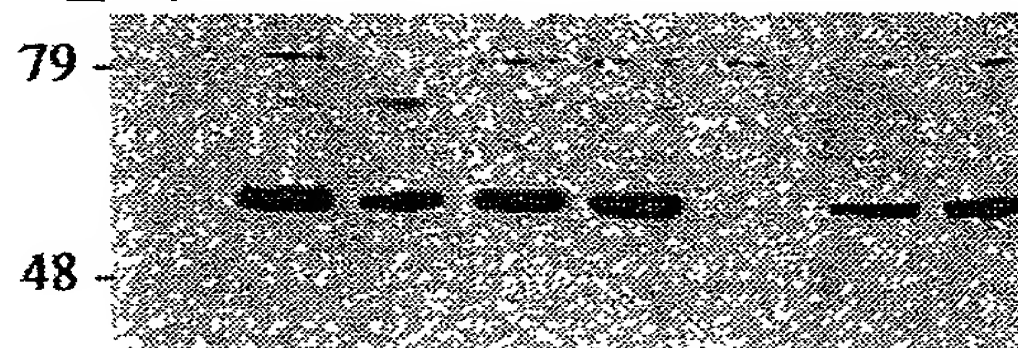


FIGURE 14

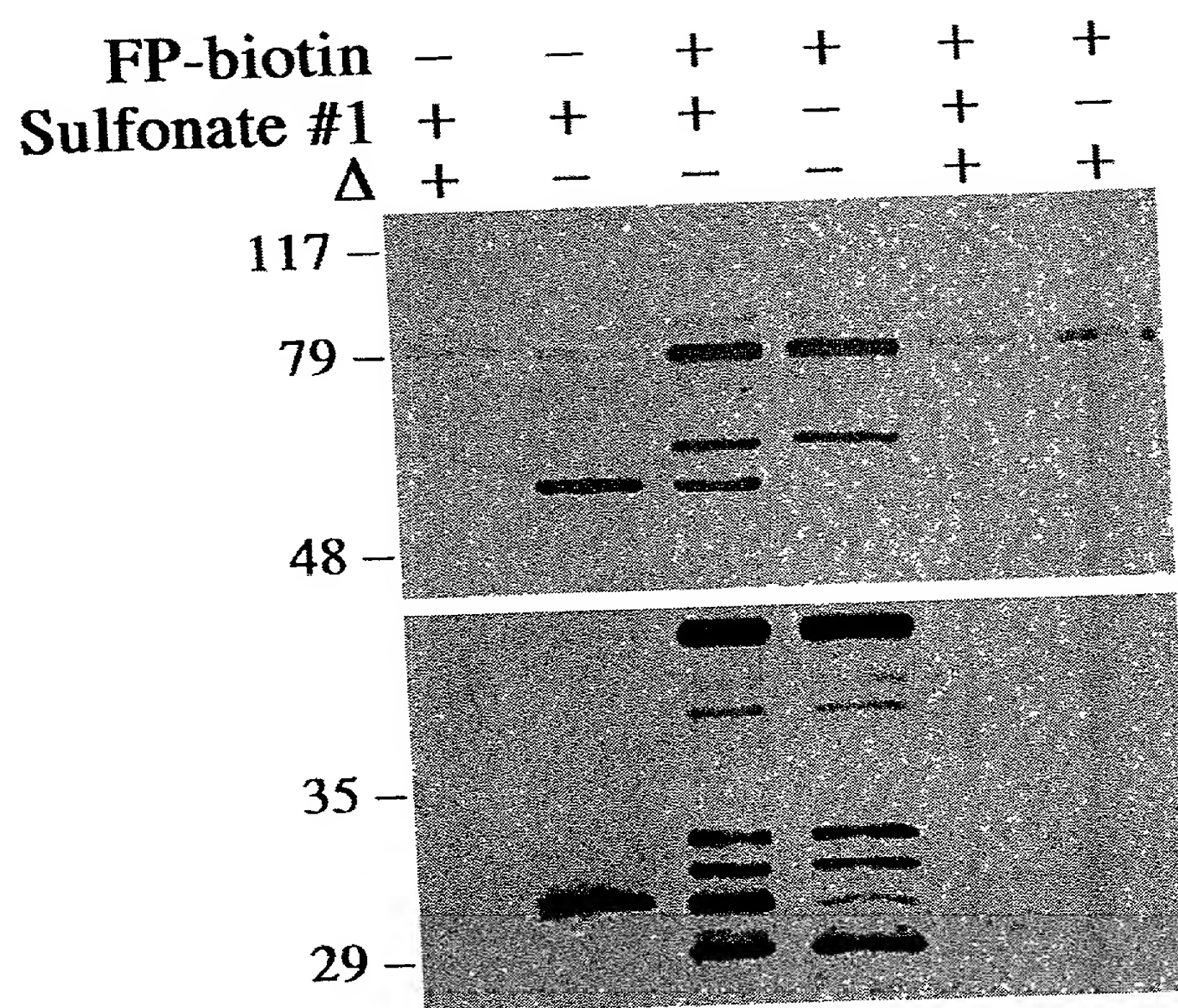


FIGURE 15

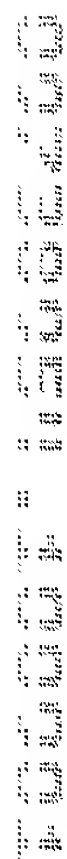


FIGURE 16

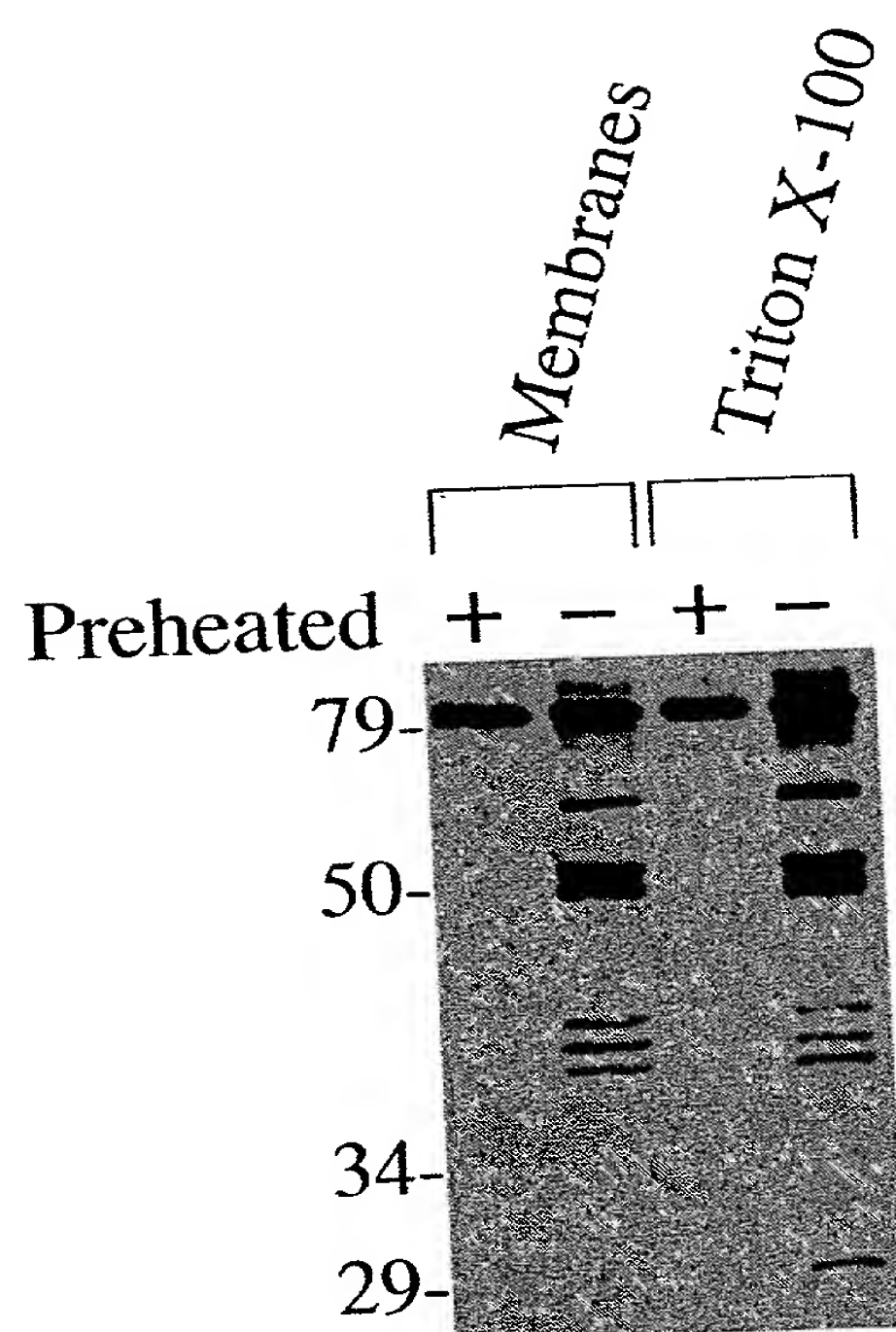


FIGURE 17

FP-peg-biotin	+	+	+	+	+	+	-	-	-
FP-biotin	-	-	-	-	-	-	+	+	+
OTFMK	0	0	200	50	5	1	0	200	50
Δ	+	-	-	-	-	-	-	-	-

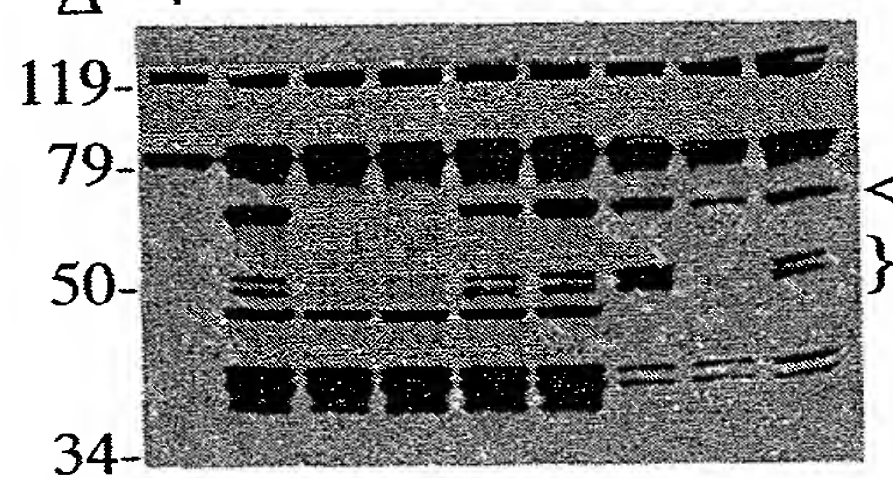


FIGURE 18

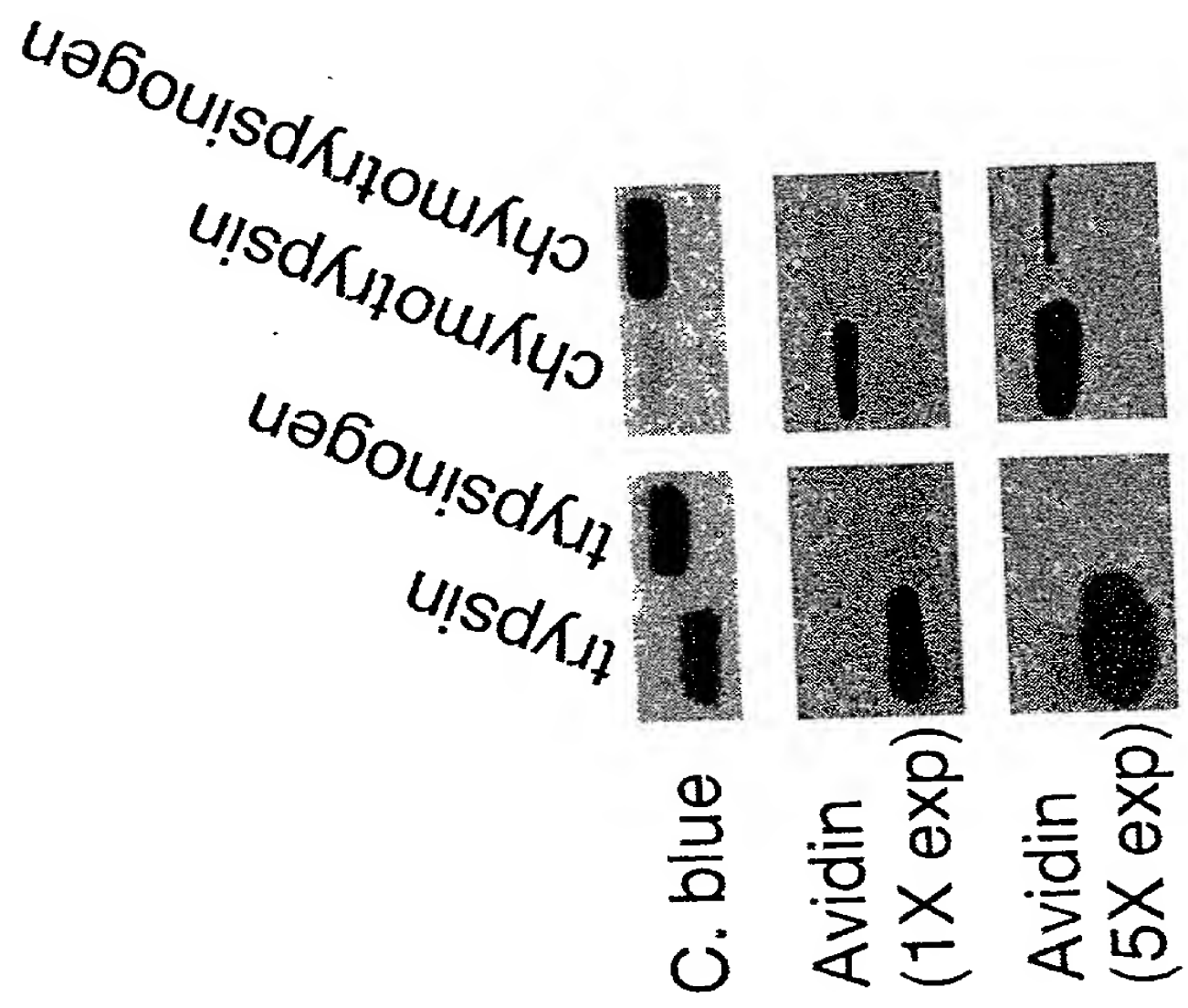
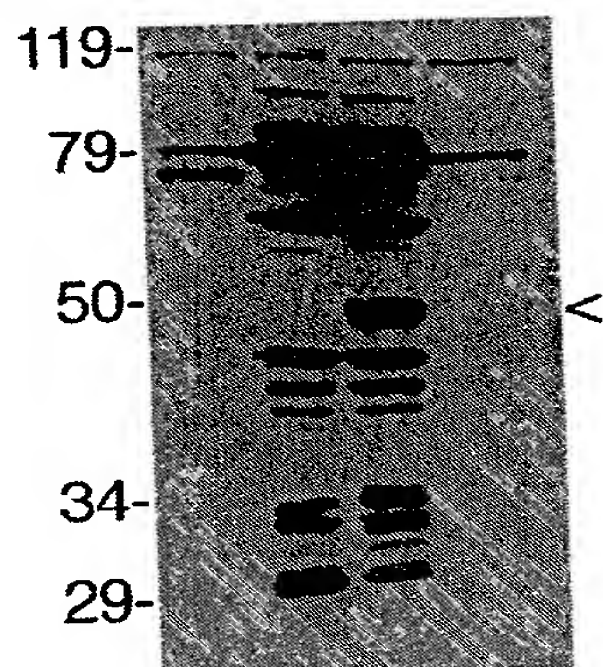


FIGURE 19

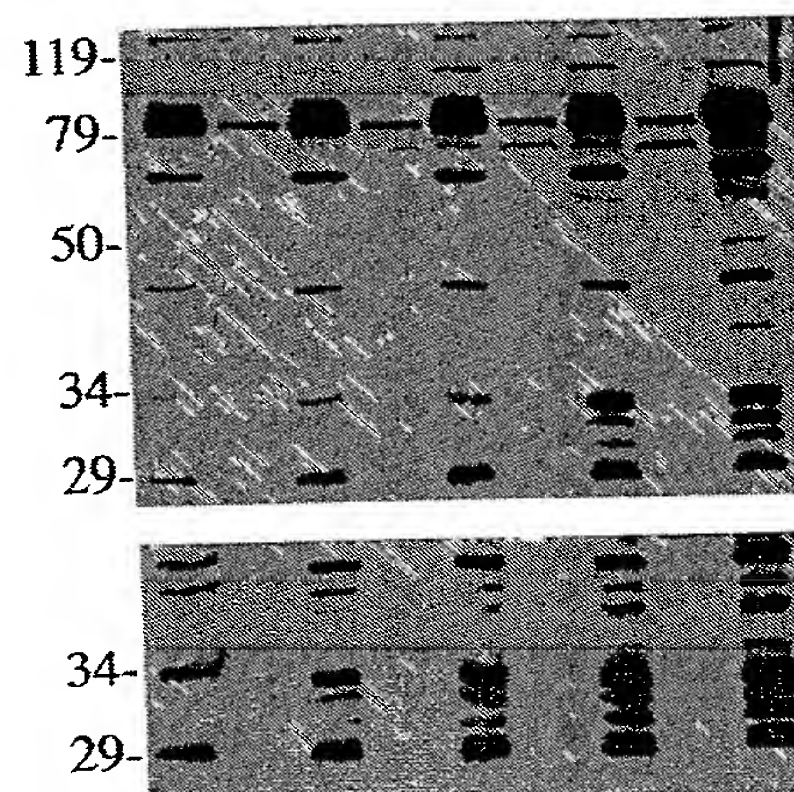
A.

FP-peg-biotin	-	-	+	+
FP-biotin	+	+	-	-
Preheated	+	-	-	+



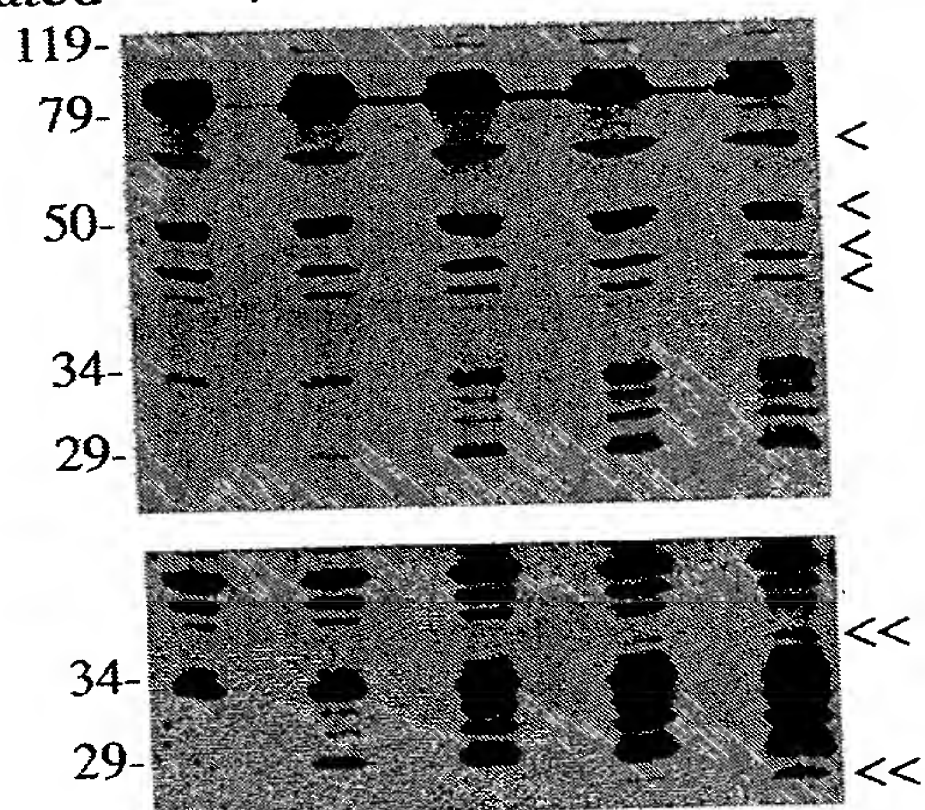
B.

FP-biotin (μ M)	0.5	1	1	2	2	4	4	8	8
Preheated	-	+	-	+	-	+	-	+	-



C.

FP-peg-biotin (μ M)	0.5	1	1	2	2	4	4	8	8
Preheated	-	+	-	+	-	+	-	+	-



D.

FP-peg-biotin (μ M)	1	2	8
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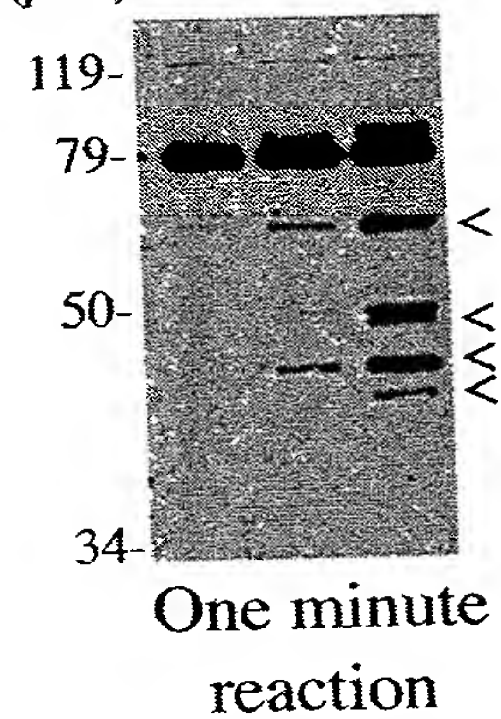


FIGURE 20

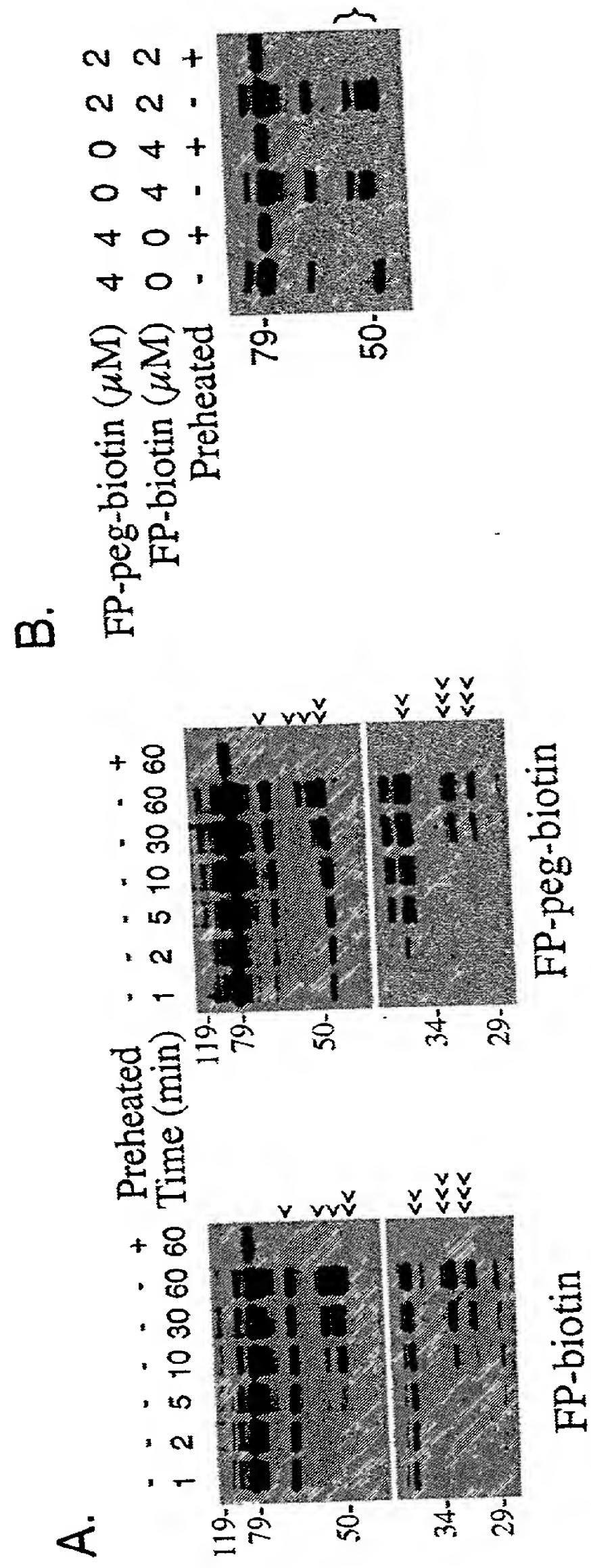


FIGURE 21

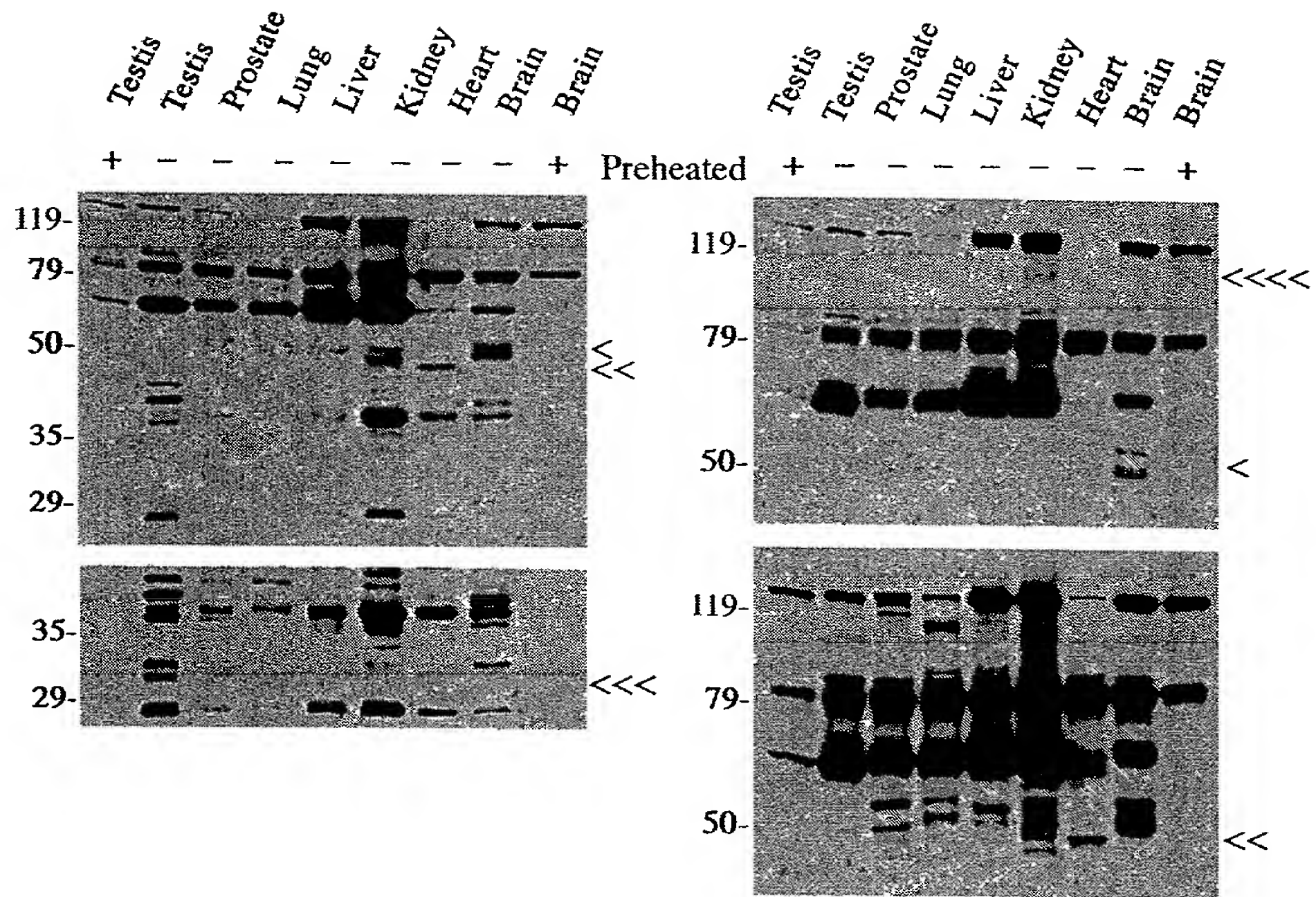


FIGURE 22

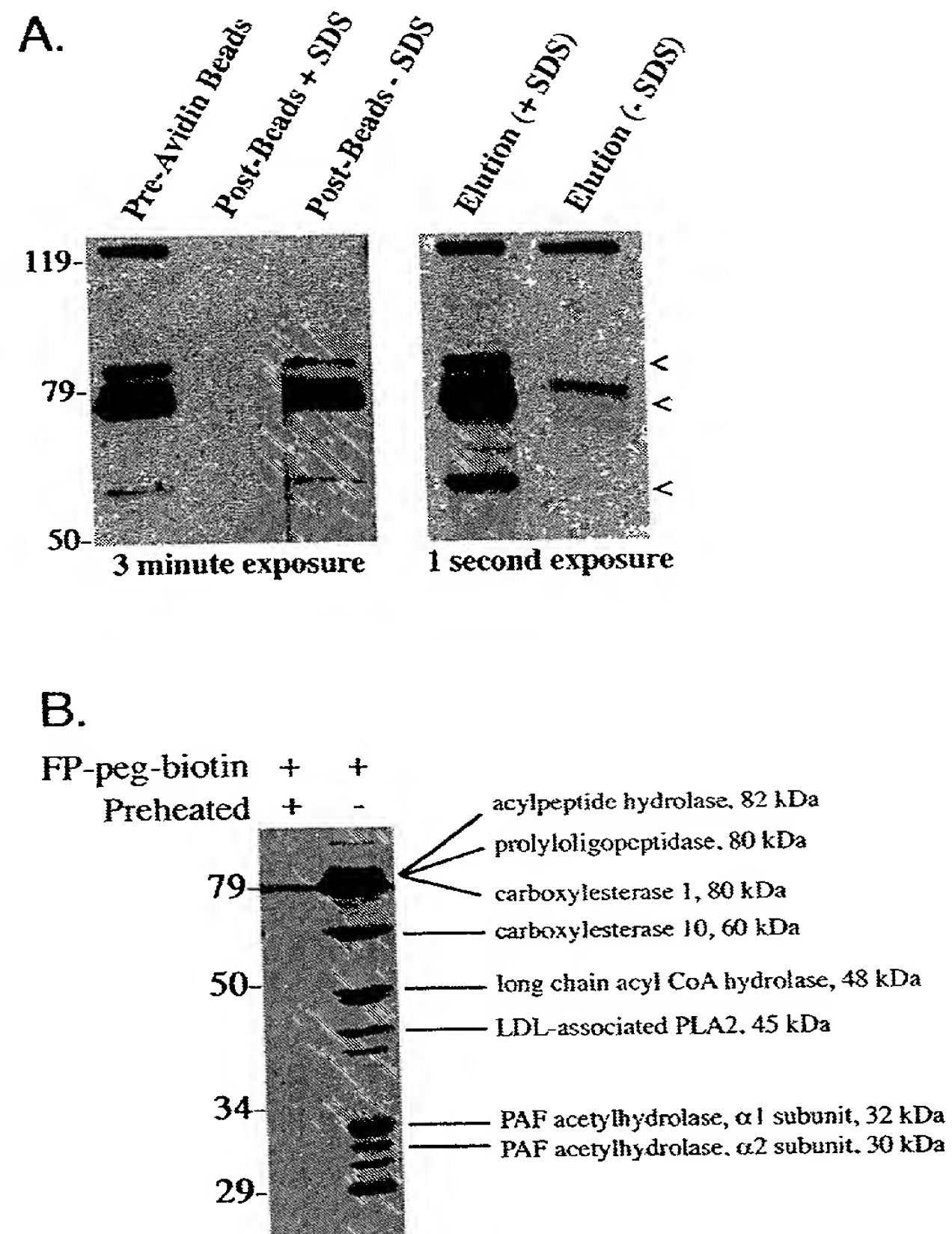


FIGURE 23